

Recombinant Rat Ntrk1 Protein, His-tagged, Alexa Fluor 555 conjugated

Cat. No. Ntrk1-45RAF555 Lot. No. (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 555 conjugated recombinant Rat Ntrk1 (Met1-Pro418), fused with a polyhistidine tag at the C-terminus, was produced in Human Cells.
Species	Rat
Source	HEK293
ProteinLength	397
Form	Lyophilized
Molecular Mass	The recombinant rat NTRK1 comprises 397 amino acids and predicts a molecular mass of 43.7 kDa. The apparent molecular mass of the recombinant protein is approximately 67-77 kDa in SDS-PAGE under reducing conditions due to glycosylation.
N-terminal Sequence Analysis	Ala 33
Endotoxin	< 1.0 EU/ µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Labeled with Alexa Fluor 555 via amines
With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.

Stability Samples are stable for up to 12 months from date of receipt at -70 centigrade.

Storage Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose and mannitol are added as protectants before lyophilization.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

Conjugation Alexa Fluor 555

GENE INFORMATION

Gene Name [Ntrk1 neurotrophic tyrosine kinase, receptor, type 1 \[Rattus norvegicus \]](#)

Official Symbol [Ntrk1](#)

Gene ID [59109](#)

mRNA Refseq [NM_021589](#)

Protein Refseq [NP_067600](#)

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